



COORDINATING MINISTRY FOR ECONOMIC AFFAIRS
THE REPUBLIC OF INDONESIA



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Electrifying Indonesia: Rural Electrification RoadMap for Equitable Energy Access to All Indonesians

Cross-Regional Learning from South Asia

10–12 February 2026 • Jakarta, Indonesia

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Development
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My main responsibility is to coordinate the implementation of the PLN Rural Electrification Program based on “PLN Rural Electrification Roadmap” and “National Electricity Supply Business Plan/RUPTL” to achieve the electrification targets given by the government.

- Indonesia's vast archipelago of **17,380 islands** and its **largely mountainous** terrain create **unique challenges** for expanding electricity access
- PLN's rural electrifying program is a government assignment to **ensure all Indonesian can access electricity, equally**



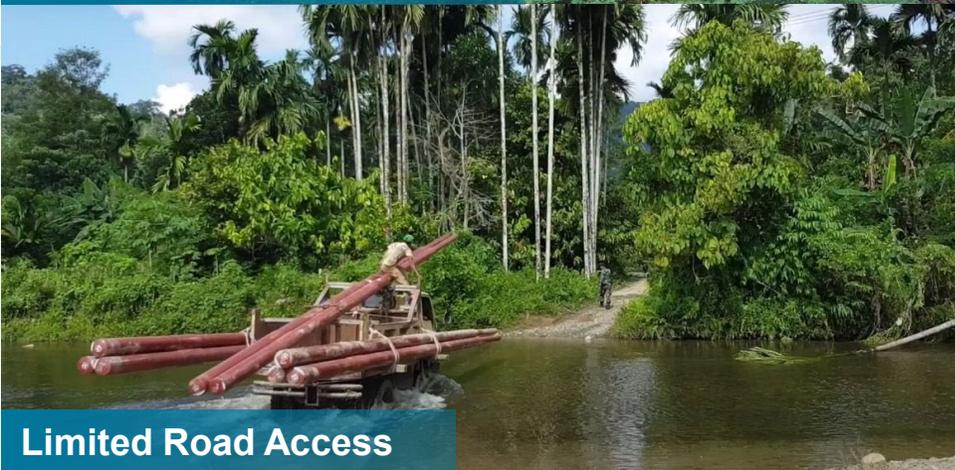
Difficult to Access Islands



Penetrate the Mountains



Swamp Land



Limited Road Access



Crossing the Tropical Forest



Extreme Ocean Weather



“Saya di sini memastikan bahwa kita akan **beri listrik ke semua desa di seluruh Indonesia dalam waktu yang secepat-cepatnya, itu adalah tekad saya sebagai Presiden Republik Indonesia**. Kita akan mampu dan tidak lama lagi kita akan sampai ke semua Desa.

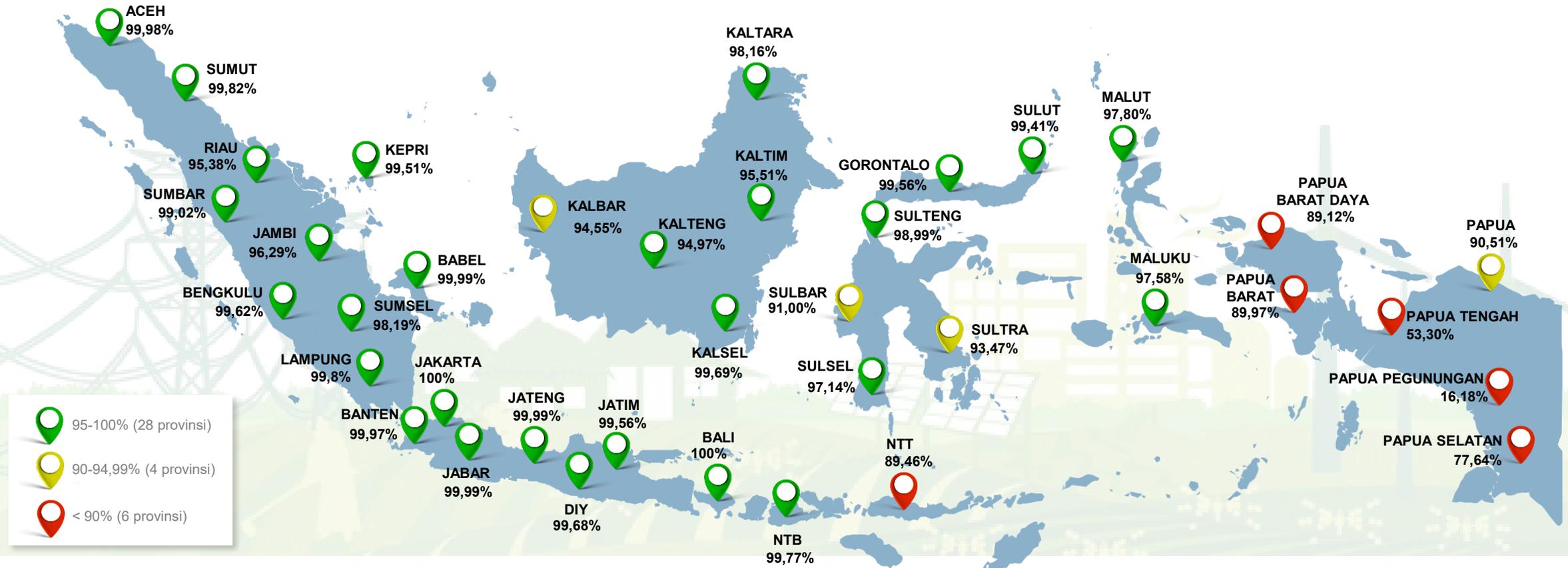
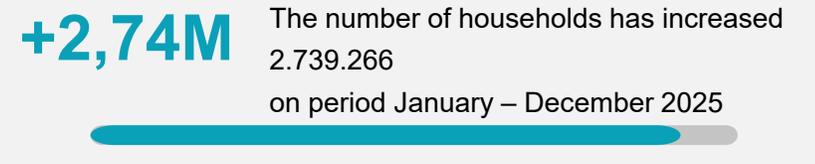
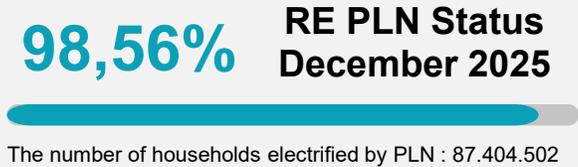
Target saya dalam 4 tahun semua desa Indonesia harus mendapat listrik”

President Prabowo conveyed this when inaugurating 55 renewable energy projects at the Ijen Geothermal Power Plant. Bondowoso, Thursday, 26/6/2025



By December 2025, PLN achieved an Electrification Ratio of 98.56%

Over the past 11 years, PLN's Electrification Ratio has grown by 16.34%



- 95-100% (28 provinsi)
- 90-94,99% (4 provinsi)
- < 90% (6 provinsi)

RURAL ELECTRIFYING PROGRAM

PLN has mapped **10,068 unelectrified clusters/locations** throughout Indonesia to support the development of the Rural Electrification Roadmap



Implementation scheme of the Rural Electrifying Program

PLN plans development through several methods, starting with **grid extensions** from the main grid, as well as **utilizing local energy sources** to provide electricity to 3T (frontier, outermost, and underdeveloped) areas, with **45% of locations** designated for decentralized Renewable Energy development



Grid Extension

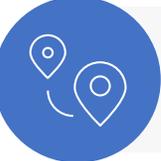
to connect between systems or villages
5.466 locations



Local Renewable Energy Development

Including Micro Hydro (**15** locations), Solar Power Plants with BESS (**4,497** locations).

PLN's commitment to achieving a 100% Electrification Ratio is stated in the 2025–2029 Roadmap with a target coverage of ~10 thousand locations.

PLANNING	LISDES 2025 PROGRAM ADVANCED	LISDES 2025 PROGRAM	LISDES 2026 PROGRAM	LISDES 2027 PROGRAM	LISDES 2028 PROGRAM	LISDES 2029 PROGRAM	TOTAL LISDES PROGRAM
 LOCATIONS	282	1.285	2.065	2.759	1.735	1.942	10.068
 CUSTOMERS	13.075 CUSTOMERS	77.616 CUSTOMERS	173.853 CUSTOMERS	215.108 CUSTOMERS	143.445 CUSTOMERS	160.149 CUSTOMERS	783.246 CUSTOMERS
 CAPACITY (kWp)	3.600 kW/kWp	- kW/kWp	69.874 kW/kWp	123.583 kW/kWp	135.085 kW/kWp	175.796 kW/kWp	506.596 kW/kWp
 GRID INFRA STRUCTURE	JTM 561 kms JTR 255 kms GD 12.020 kVA	JTM 4.770 kms JTR 3.265 kms GD 94.040 kVA	JTM 5.549 kms JTR 4.698 kms GD 101.310 kVA	JTM 5.076 kms JTR 6.658 kms GD 128.910 kVA	JTM 1.349 kms JTR 4.592 kms GD 27.450 kVA	JTM 1.280 kms JTR 5.511 kms GD 22.840 kVA	JTM 18.612 kms JTR 24.979 kms GD 386.570 kVA

PLN mobile | JTM: Medium Voltage Network | JTR: Low Voltage Network | GD: Distribution Transformers

PLN has used GIS mapping to ensure all unelectrified locations are fully integrated into the 2025–2029 Rural Electrification Program plan

MENU FILTER

Tahun
Semua Tahun

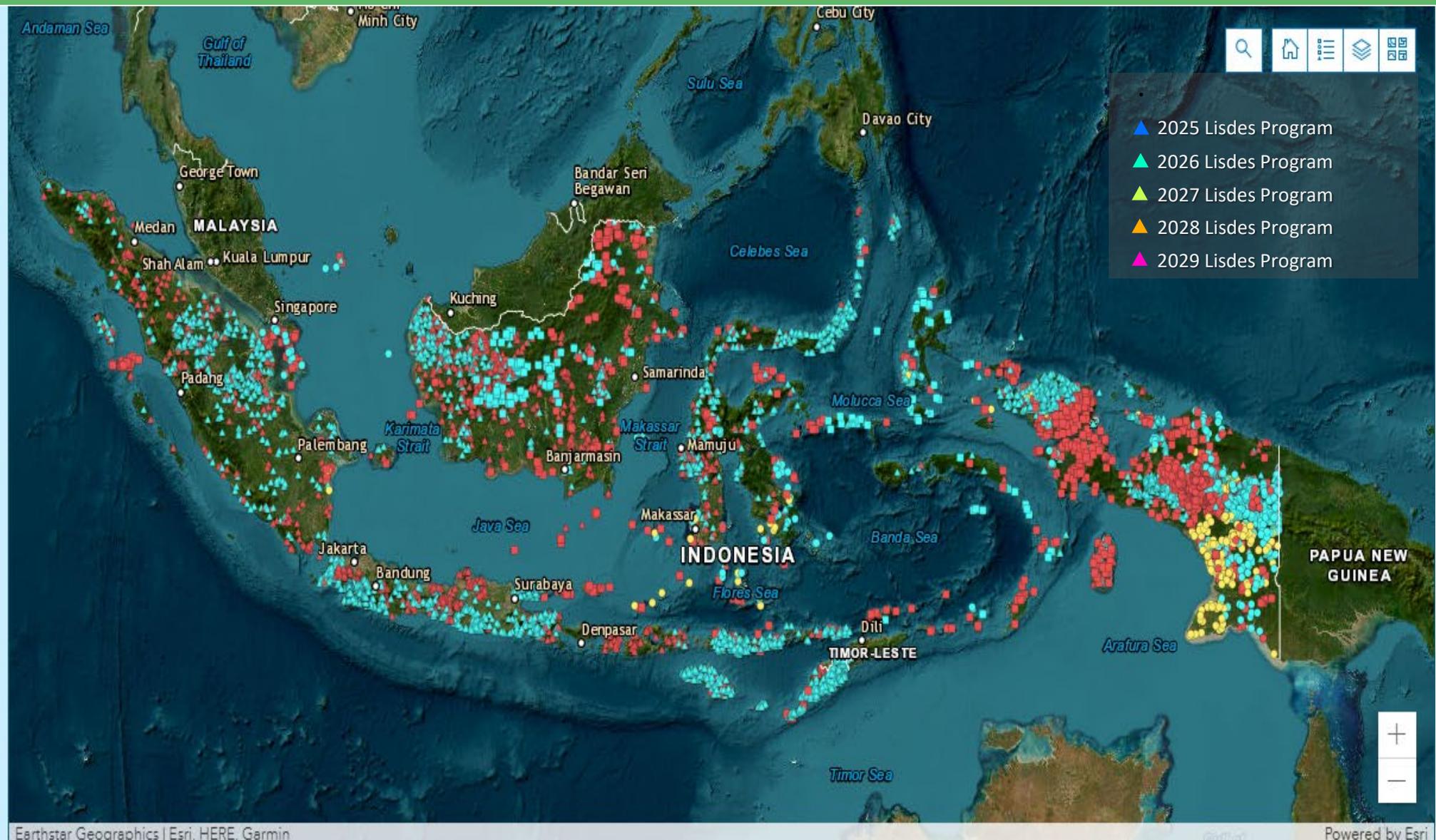
Skema Pendanaan
Semua Skema

Metode Elektrifikasi
Semua Metode

Regional
Semua Regional

Provinsi
No category selected

Desa / Dusun
Semua



The electricity by PLN has had a **direct impact on increasing residents' productivity**, including **night-time activities continuity**. Evaluations show that community electricity consumption has **increased by more than 30%** compared to when it first began operating. In several locations, residents also feel that PLN electricity costs are **significantly lower than before**, when residents relied on self-sufficient electricity at Rp10,000 per day for only five hours of power.



The Lisdes Program also creating a **real multiplier effect** on village's life by **strengthening the education sector, healthcare, local economies, and food security**, thereby **supporting the achievement of the national economic growth target of 8% by 2029**.



Improved Educational Facilities



Increasing Fisherman's Productivities



Developing MSME



Active Health Services



More Productive Nights



Improved Farmer's Productivities



Expanded Digital Access



Developing Village Tourism



PLN and the Government

will continue to strive to improve and distribute **electricity to all corners of Indonesia** through collaboration with stakeholders.



THANK YOU!



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